

AN ADAPTIVE WIDEBAND DIGITAL AMPLIFIER
FOR LINEARLY MODULATED SIGNAL
AMPLIFICATION AND TRANSMISSION

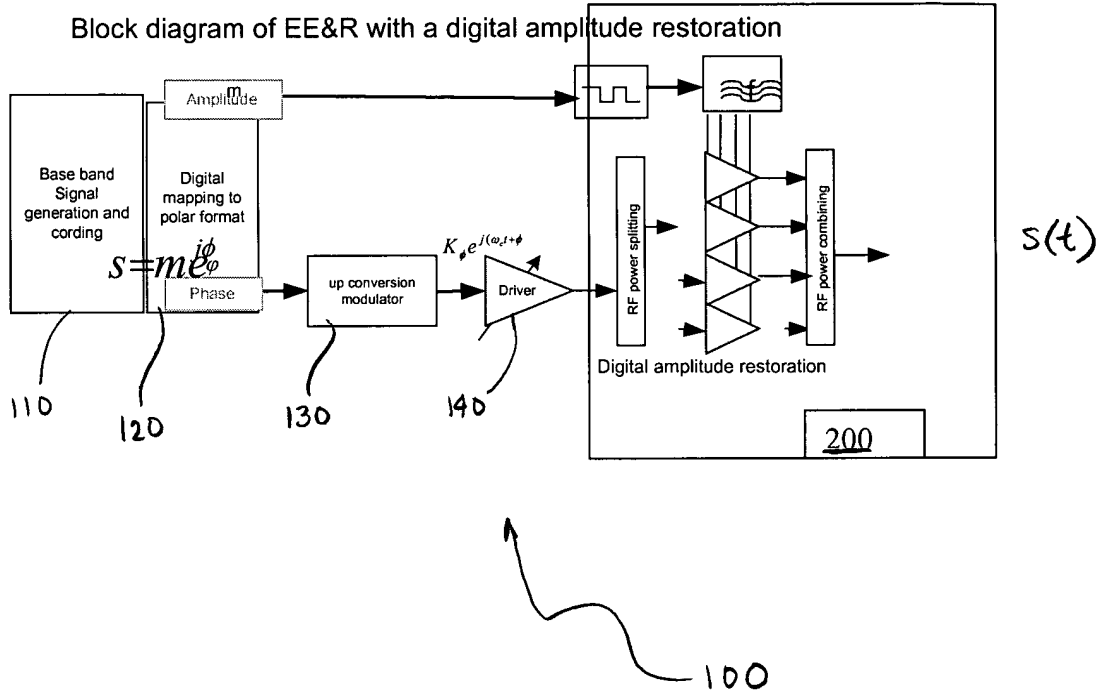
Inventors: Hong Gan et al.

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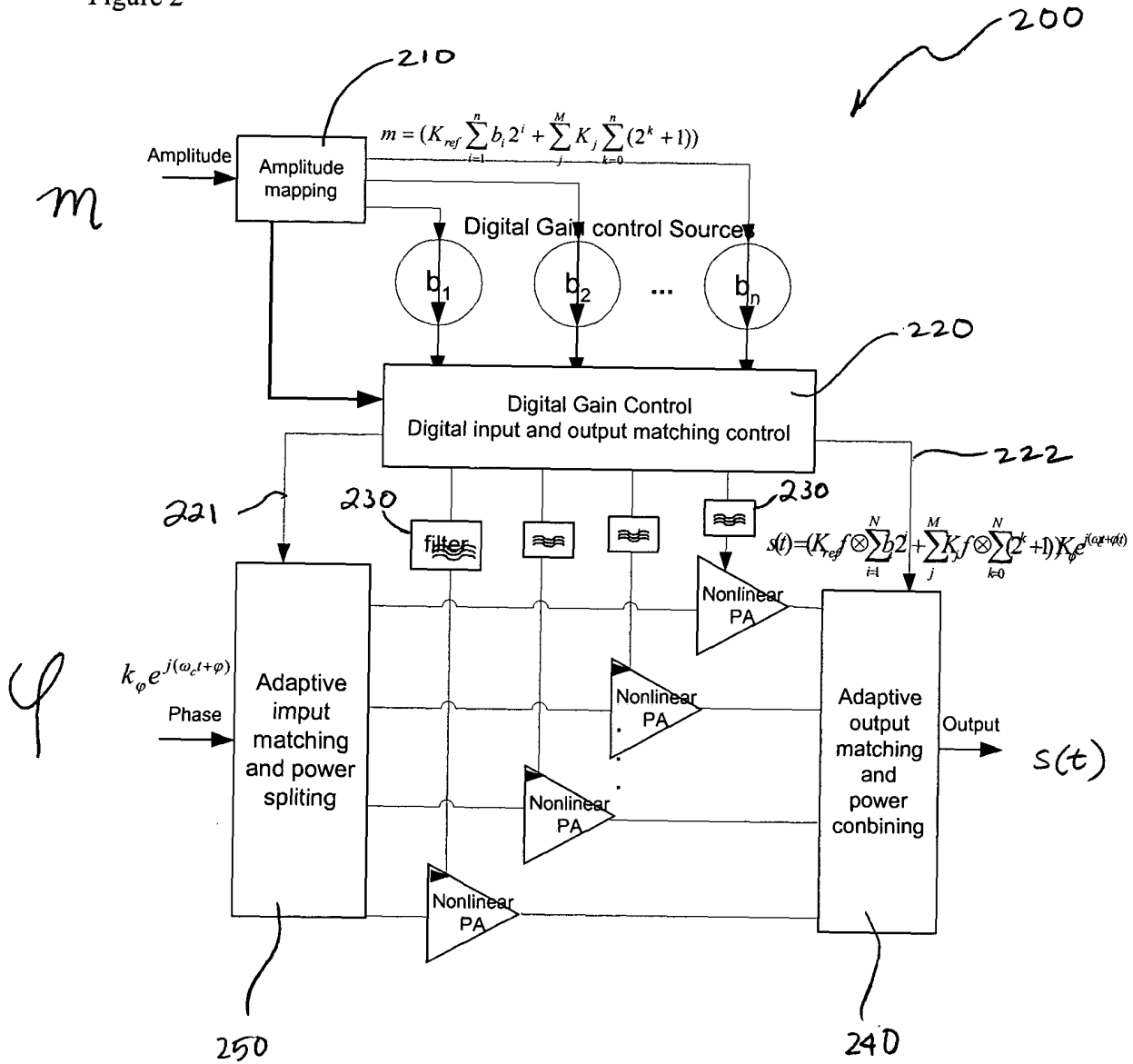
Figure 1



$$s(t) \approx (K_{ref} f \otimes \sum_{i=1}^N b_i 2^i + \sum_j^M K_j f \otimes \sum_{k=0}^N (2^k + 1)) K_\phi e^{j(\omega_c t + \phi(t))}$$

$$m \approx (K_{ref} \sum_{i=1}^n b_i 2^i + \sum_j^M K_j \sum_{k=0}^n (2^k + 1))$$

Figure 2



300

Figure 3

